

Fluor Corporation

Fluor is one of the world's largest, publicly owned engineering, procurement, construction, facility management, and maintenance and services companies. Fluor has become a trusted global business leader by providing exceptional expertise and technical knowledge across all project phases. Fluor is a company with extensive experience in the management and operation of highly complex facilities. We specialize in project management, strategic planning, engineering, financing solutions, technical services, and operations and maintenance. Our clients span the globe and include the commercial sector, as well as Departments of Defense, Labor, Homeland Security and Energy.

Management Skills For almost a century, Fluor has provided the experienced program and project leadership that has successfully delivered many of the world's most complex projects in a variety of industries. Our diverse expertise provides the critical analysis and distinctive solutions that can increase return on investment and improve a project's cost while achieving the highest standards of quality and safety. For the Department of Energy **Hanford Environmental Cleanup project**, Fluor performed a broad range of functions covering project coordination and controls, planning, engineering, operations, waste management, safety, and regulatory compliance activities. Fluor has completed 10 years of cleanup progress, significantly reducing risk to human health and the environment.

Scientific Skills Fluor is committed to the research and development efforts in the area of renewable energy. We promote the concept of environmental responsibility to reduce pollution and excessive consumption of valuable resources and leverage our experience and expertise in development, permitting, transmission connection, power sales, and project financing to create a high-level of value. Fluor's research laboratory facility projects encompass such diverse fields as physical and life sciences, pharmaceuticals, biotechnology, material sciences, energy, medicine, and microelectronics. Fluor is currently participating in a joint-venture to develop a 500-MW **Offshore Wind Farm Project** in the United Kingdom. The project encompasses the wind turbines and all wind farm infrastructure. Once completed, it will generate sufficient electricity to supply the average domestic electricity supply of approximately 415,000 homes.

Engineering Skills Our team provides an integrated set of deliverables consisting of front-end studies, assessments, innovative process consulting and engineering systems implementation. Fluor also applies value engineering as part of a larger project to improve products and systems, reduce costs and maintain quality and reliability. For **Scripps Research Institute** in Palm Beach, Florida, Fluor performed management services and was responsible for coordinating all aspects of the design team's activities through the master planning, laboratory programming, and site design. Fluor provided coordination oversight of the design professionals, oversaw a multifaceted project team to complete deliverables on time and within budget and served as a liaison between client and government agencies. For **Commercial Alcohols, Inc. Ethanol Plant** Fluor provided front end engineering and design, detail engineering, procurement, and management. Facilities included 4.5 megawatt cogeneration, grain receiving, corn dry milling, starch conversion, continuous fermentation, and fuel and industrial grade ethanol distillation and dehydration.

Commercialization Skills Fluor has been involved in several projects requiring commercialization and product development and is successful in gaining competitive advantage and recognition for its clients. As one example, Fluor executed engineering and project management services for **FuelCell Energy's commercialized DFC3000 Fuel Cell Power Plant**. The first-of-a-kind, two-module, natural gas fired plant was integrated with a clean coal funded project to prove that the molten carbonate fuel cells can operate on synthesis gas to produce low-cost and environmentally clean power.

Operations Skills Fluor provides O&M services to chemical plants, refineries, power stations, manufacturing facilities, and other government, industrial, and commercial operations worldwide. Our full range of services includes startup and commissioning, facility maintenance, technical training, operations support, small capital project execution, turnaround and outage support, plant engineering, repair and incidental construction, production support and asset optimization. We provided facility maintenance services for **Syngenta's biotechnology research and development facility** that included all building systems in the high-tech laboratory, and upkeep and repair of scientific equipment. We provided disposal services for biohazardous waste materials. In addition, we managed subcontractors providing security, mailroom, shipping and receiving, grounds maintenance, and other services.

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